

4.2.G. 05130203070.

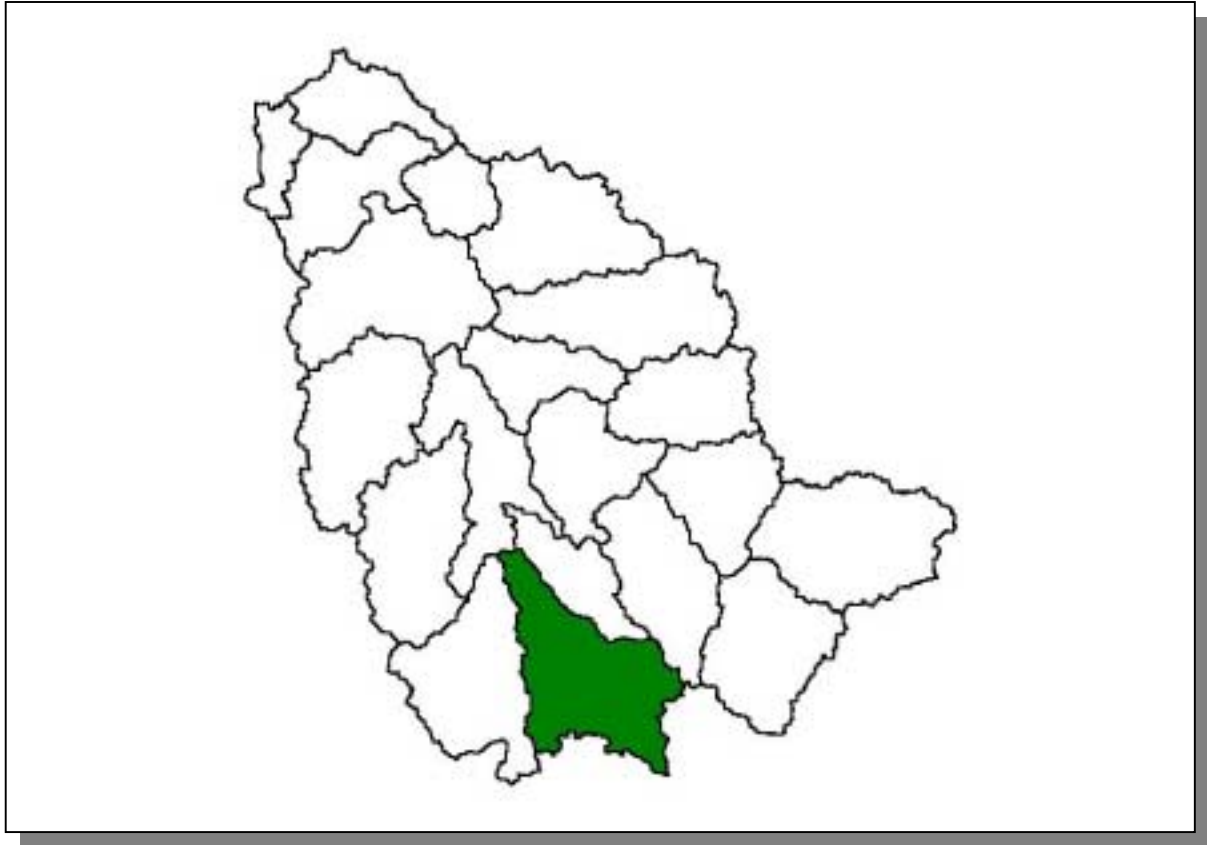


Figure 4-36. Location of Subwatershed 05130203070. All Stones HUC-14 subwatershed boundaries are shown for reference.

4.2.G.i. General Description.

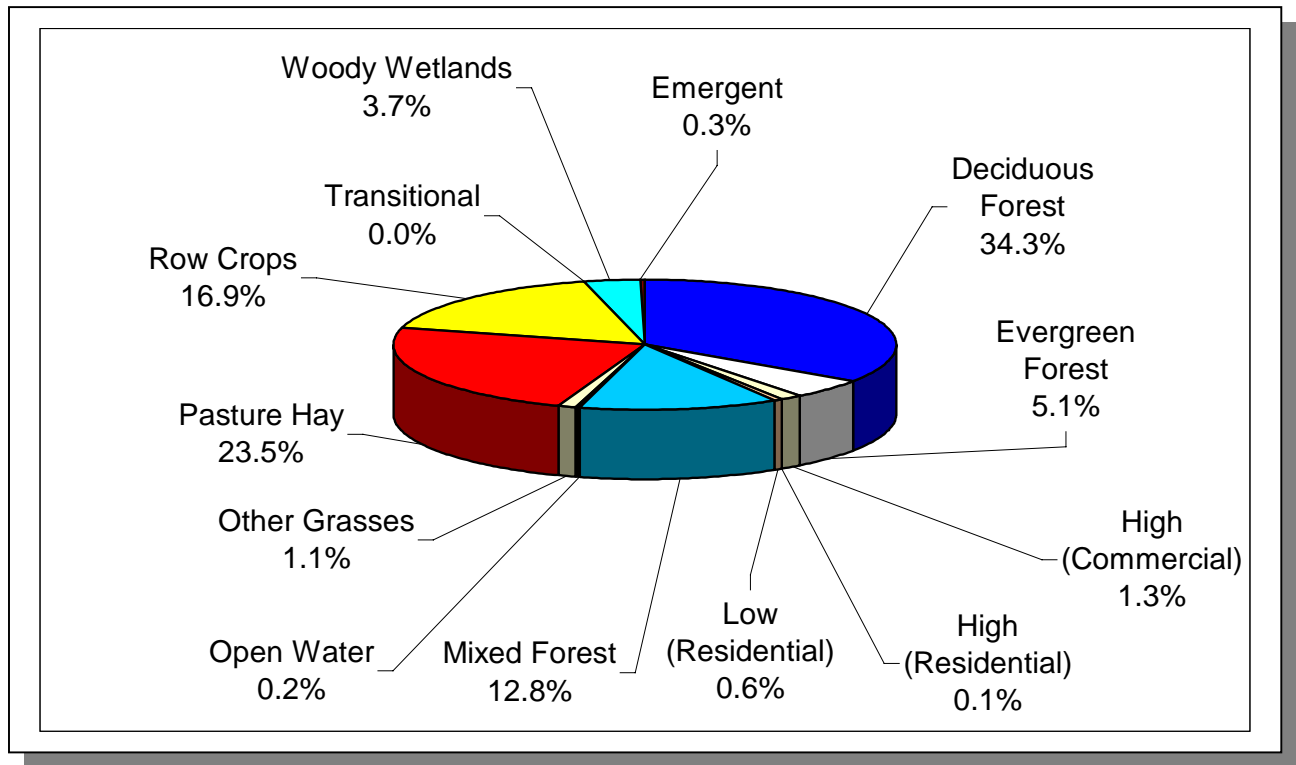


Figure 4-37. Land Use Distribution in Subwatershed 05130203070. More information is provided in Stones-Appendix IV.

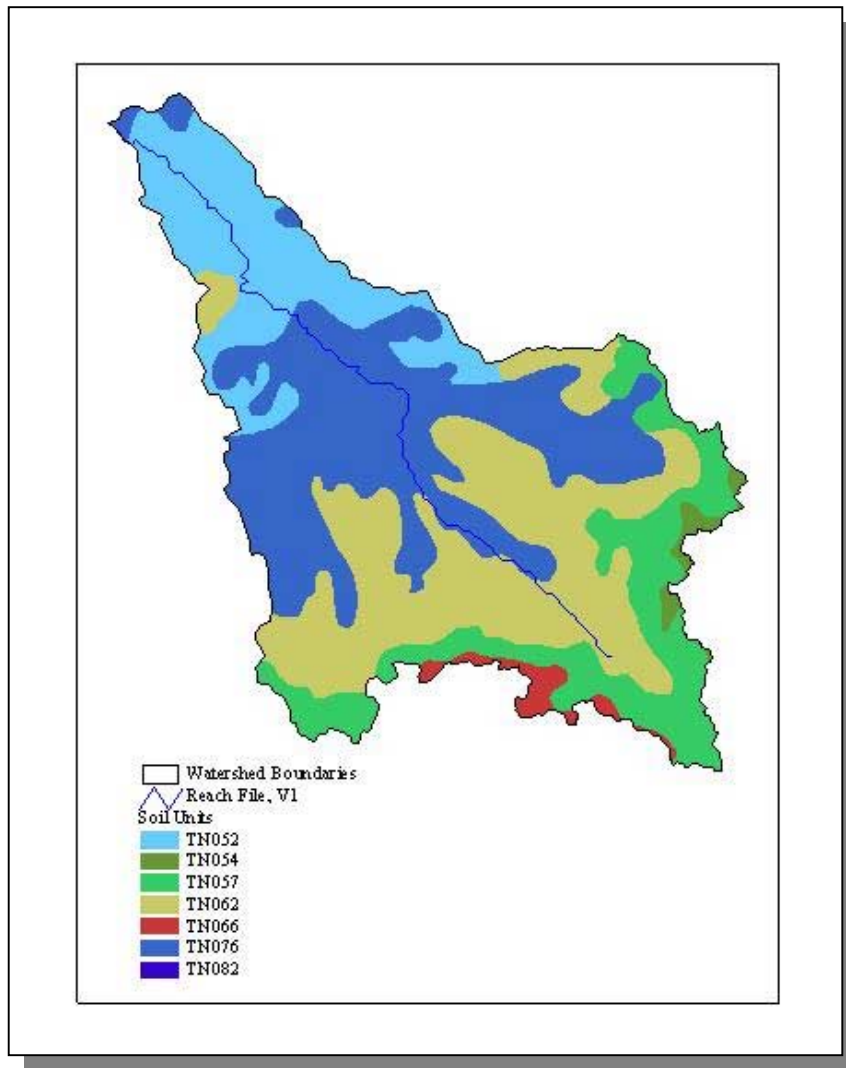


Figure 4-38. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203070.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN052	0.00	B	1.23	5.46	Silty Loam	0.39
TN054	0.00	C	3.04	4.84	Loam	0.32
TN057	0.00	C	1.14	5.01	Clay Loam	0.33
TN062	0.00	C	0.98	4.40	Clay Loam	0.26
TN066	0.00	B	2.62	4.75	Loam	0.28
TN076	28.00	C	0.73	6.26	Silty Clayey Loam	0.33
TN082	0.00	B	1.63	5.47	Loam	0.34

Table 4-38. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203070. More information is provided in Stones-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Bedford	30,411	34,203	0.92	279	314	12.5
Coffee	40,339	45,347	0.06	25	29	16.0
Rutherford	118,570	159,987	10.24	12,138	16,378	34.9
Totals	189,320	239,537		12,442	16,721	34.4

Table 4-39. Population Estimates in Subwatershed 05130203070.

NUMBER OF HOUSING UNITS						
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Murfreesboro	Rutherford	44,922	18,708	17,845	855	8

Table 4-40. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130203070.

4.2.G.ii. Point Source Contributions.

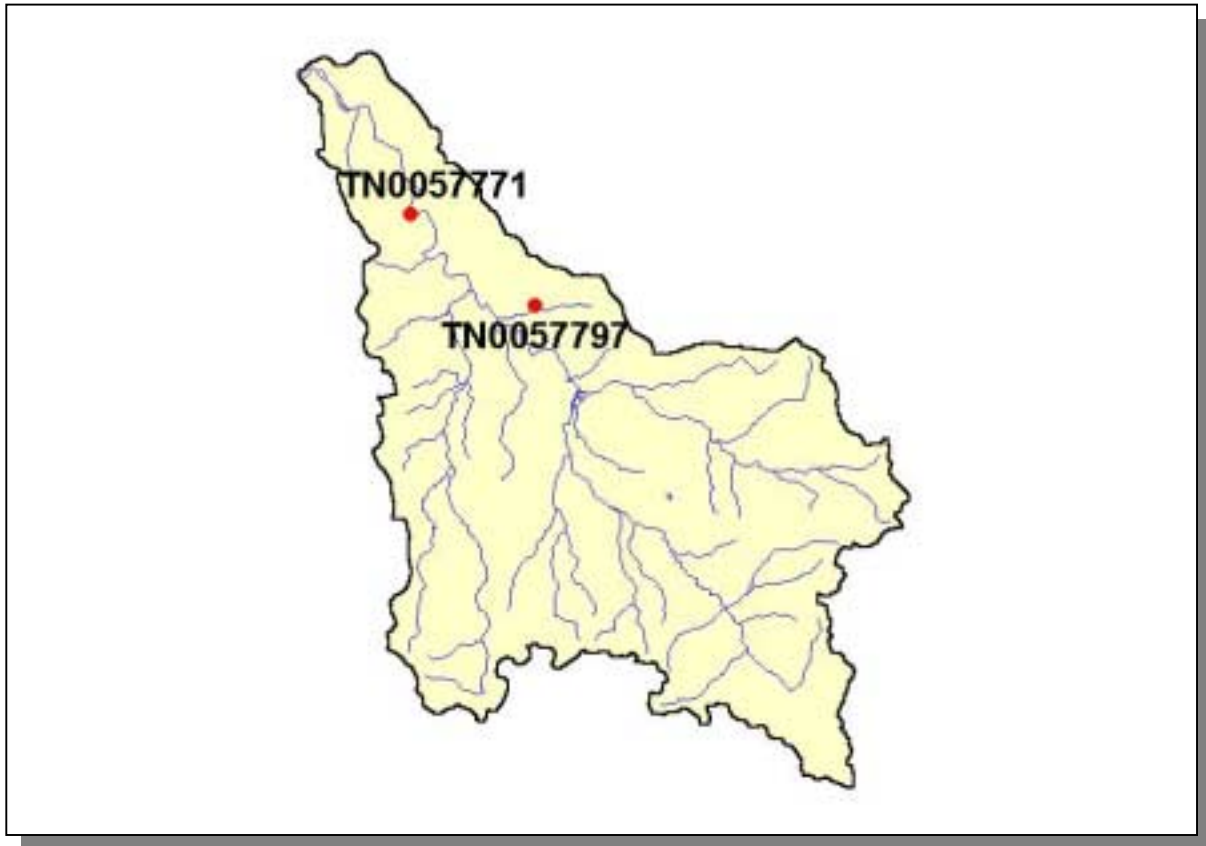


Figure 4-39. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130203070. More information, including the names of facilities, is provided in Stones-Appendix IV.

4.2.G.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
2,310	4,834	299	8	159,517	129	48

Table 4-41. Summary of Livestock Count Estimates in Subwatershed 05130203070.
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Bedford	74.6	74.6	0.5	1.3
Coffee	114.4	114.2	2.8	12.7
Rutherford	155.7	155.7	0.4	0.9
Total	344.7	344.5	3.7	14.9

Table 4-42. Forest Acreage and Average Removal Rates (1987-1994) in Subwatershed 05130203070.

CROPS	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Berry (Horticultural)	0.47
Corn (Row Crops)	3.68
Soybeans (Row Crops)	3.09
Cotton (Row Crops)	4.79
Grass (Hayland)	0.27
Legume (Hayland)	0.32
Legume, Grass (Hayland)	0.49
Grass (Pastureland)	0.88
Legume (Pastureland)	0.12
Grass, Forbs, Legumes Mixed Pasture)	0.53
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.45
Conservation Reserve Program Land	0.28
Wheat (Close Grown Cropland)	2.90
Other Vegetable and Truck Crop	4.37
Other Cropland not Planted	6.68
Summer Fallow (Other Cropland)	4.60

Table 4-43. Annual Estimated Total Soil Loss in Subwatershed 05130203070.